



PROCESSES



MIG (GMAW)
Welding



Flux Cored (FCAW)
Welding

5/3/1
WARRANTY



Built with Hobart quality and durability, the Handler 175 provides you with a wire welding package with industrial performance capable of operating on 230/240 volt circuits. The broad output range of 30–175 amps allows you to weld 22 gauge up to 1/4 inch in a single pass. It is also capable of running the following wires: mild steel or stainless steel .023–.035 in (0.6–0.9 mm), flux cored .030–.045 in (0.8–1.2 mm), aluminum .030–.035 in (0.8–0.9 mm).

Four output voltage settings with wire feed tracking make the unit easy to set and adjust for different materials and thicknesses. Supplied with 1 lb (.45 kg) spool of wire and adaptable for using 4 or 8 inch (102 or 203 mm) spools.

Comes complete with:

- Rugged constant-voltage DC welder power source
- Durable built-in wire feeder
- Built-in gas valve
- Regulator and gas hose
- Comfortable 10 ft H10 MIG torch
- 10 ft work lead with clamp
- Three .030 in (0.8 mm) contact tips
- 1 lb spool of .030 in (0.8 mm) self-shielded flux cored welding wire
- Weld set-up and parts information chart
- Power cord with plug
- Owner's Manual with parts lists, installation, operation, maintenance and MIG welding guidelines

FEATURES

BENEFITS

Excellent arc performance	Great performance with improved arc starts and quicker stops to reduce wire coast.
Proven built-in wire feeder with quick-release drive roll lever	Positive feed with adjustable tension plus accessibility to thread new wire.
Built-in contactor	Eases use and excellent safety feature which makes wire electrically “cold” when not welding.
Four output voltage settings with wire feed tracking	Provides a broader operating window for each wire with quick and easy adjustment for different materials and thicknesses.
Separate “purge” setting	Purge gas line and set flow rate without wasting wire.
Convenient polarity changeover with tip holder	Access makes it quick and easy to change polarity for solid or tubular wire plus includes convenient storage holes for spare tips.
Dual groove drive roll	Easy to change from one wire size to another .023/.025 in (0.6 mm) or .030–.035 in (0.8–0.9 mm).
Sloped control panel	Makes controls quickly visible and accessible.
Primary circuit breaker	Protects unit against current overload.
Self-resetting thermal overload	Protects power transformer to ensure reliability.
Self-resetting motor protection	Protects wire feed system from overload, no fuses to change or circuit breaker buttons to press.
Hobart's 5/3/1 Warranty	Five-year warranty on transformers, stabilizers and generators; three years on electronics (drive motors, rectifiers); and one year on guns (MIG and plasma torches).

SPECIFICATIONS (SUBJECT TO CHANGE WITHOUT NOTICE.)

INDUSTRIAL

DC

CV

1
Phase

Rated Output	Current Range	Max. Open Circuit Voltage	Wire Feed Speed Range	Amperes Input at Rated Load, 50/60 Hz			Dimensions	Net Weight
230 V	KVA	KW						
130 A, 20 VDC at 30% Duty Cycle on 60 Hz 20% Duty Cycle on 50 Hz	30 – 175 amps	30 V	50 – 850 IPM, 350 – 900 IPM at no load	19.5	4.6	3.75	H: 12-3/8 in (315 mm) W: 10-5/8 in (270 mm) D: 18-7/8 in (480 mm)	65 lb (29.5 kg)



Certified by Canadian Standards Association to both Canadian and U.S. Standards.



Hobart Welders An Illinois Tool Works Company

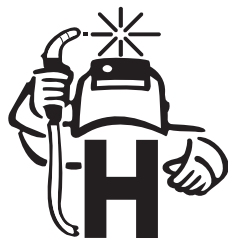
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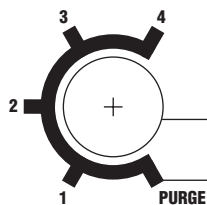
CONTROL PANEL



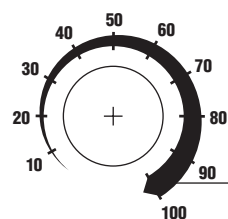
HOBART
Handler® 175

MADE IN USA

DO NOT SWITCH
UNDER LOAD



VOLTAGE



WIRE FEED



RATED WELD OUTPUT

	20	30
VOLTS	20	30
AMPERES	130	175
DUTY CYCLE	30%	30%
MAX OCV	30	30
AMP RANGE	30-175	30-175

CSA

ON



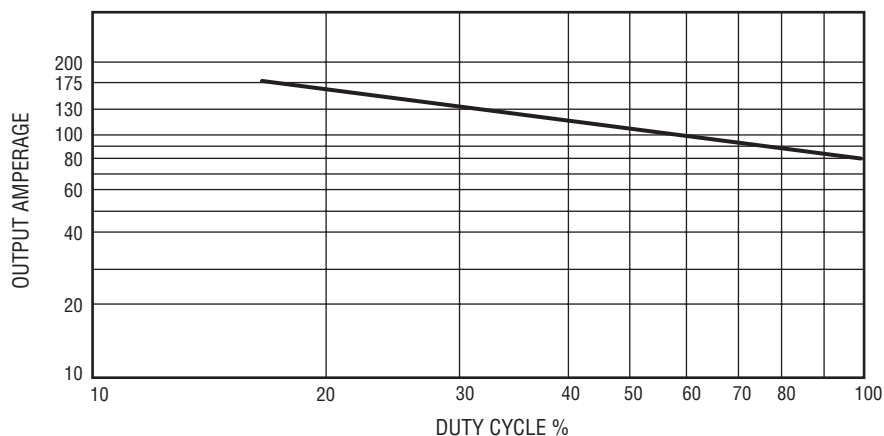
OFF

POWER

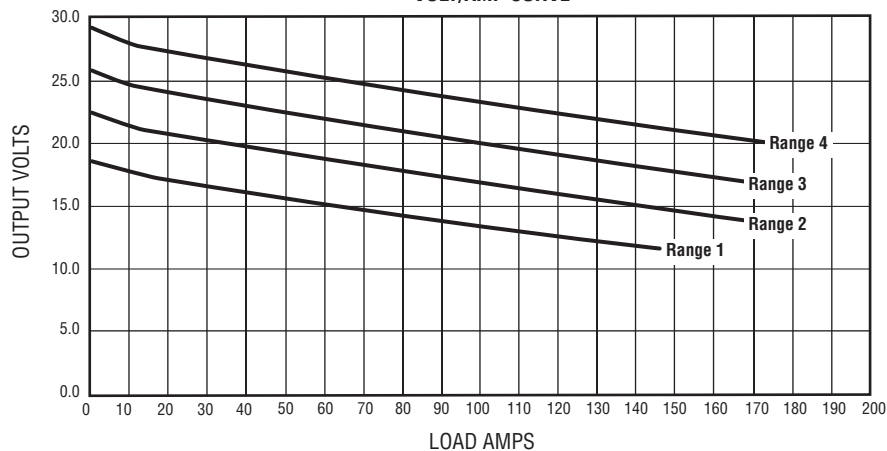
1. Voltage Switch
2. Purge "O" Position
3. Power Switch
4. Wire Speed Control

PERFORMANCE DATA

DUTY CYCLE CURVE



VOLT/AMP CURVE



OPTIONS/ACCESSORIES



Small Running Gear/Cylinder Rack #194 776

Durable construction. For gas cylinders no larger than 7 in (178 mm) diameter, maximum weight 75 lb (34 kg).

Purchase #500 485 and receive the Handler 175 and #194 776 cart packaged together.



Running Gear/Cylinder Rack #770 187

Heavy-duty construction. For gas cylinders no larger than 7 in (178 mm) diameter, maximum weight 100 lb (45 kg).

H10 Replacement MIG Torch #195 957

For .030–.035 in (0.8–0.9 mm) wire. Includes 10 ft cable.



Drive Rolls

Dual Groove, V-Smooth #202 925

For .023/.025, .030 and .035 in (0.6, 0.8 and 0.9 mm) wire.

Dual Groove, V-Knurled #202 926

For .030/.035 in (0.8/0.9 mm) or .045 in (1.2 mm) flux cored wire.



Contact Tips

#087 299 .023/.025 in (0.6 mm)

#000 067 .030 in (0.8 mm)

#000 068 .035 in (0.9 mm)

#000 069 .045 in (1.2 mm)



Nozzle #169 715



Tip Adapter #169 716



Replacement Liners

#194 010

.023/.025 in (0.6 mm)

#194 011

.030–.035 in (0.8–0.9 mm)

#194 012

.035–.045 in (0.6–1.2 mm)

ORDERING INFORMATION AND SYSTEM CHECKLIST

Equipment and Options	Stock No.	Description	Qty.	Price
Handler 175	#500 416	230 VAC, 50/60 Hz with gas valve, regulator and hose		
Handler 175 with small running gear/cylinder rack	#500 485	230 VAC, 50/60 Hz with gas valve, regulator and hose Packaged with #194 776 cart		
Accessories				
Running Gear/Cylinder Rack	#770 187			
Small Running Gear/Cylinder Rack	#194 776			
H10 MIG Torch	#195 957	10 ft, .030 – .035 in (0.8 – 0.9 mm)		
Drive Roll Kits	#202 925 #202 926	.023/.025 (0.6 mm) and .030/.035 (0.8/0.9 mm) V-knurled .030/.035 (0.8/0.9 mm) or .045 (1.2 mm)		
Contact Tips	#087 299 #000 067 #000 068 #000 069	.023/.025 in (0.6 mm) .030 in (0.8 mm) .035 in (0.9 mm) .045 in (1.2 mm)		
Nozzle	#169 715			
Tip Adapter	#169 716			
Replacement Liners	#194 010 #194 011 #194 012	.023/.025 in (0.6 mm) .030 – .035 in (0.8 – 0.9 mm) .035 – .045 in (0.9 – 1.2 mm)		
(Other)				
Date:		Total Quoted Price:		

HOBART
W E L D E R S

Litho in USA

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